

Yasuaki Tokudome

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Size Tuning of Colloidal Co-Al LDH Nanoparticles by Dialysis Treatment. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2022, 69, 131-135.	0.1	0
2	Reactivity of silanol group on siloxane oligomers for designing molecular structure and surface wettability. Journal of Sol-Gel Science and Technology, 2021, 97, 734-742.	1.1	4
3	Synthesis of high-specific-surface-area Li-Al mixed metal oxide: Through nanoseed-assisted growth of layered double hydroxide. Applied Clay Science, 2021, 203, 106006.	2.6	13
4	Synthesis of Colloidal Suspension of NiGa ₂ O ₄ Nanoparticles through Gel-Sol Method using Organic Base. Zairyo/Journal of the Society of Materials Science, Japan, 2021, 70, 429-434.	0.1	1
5	Synthesis of a Crystalline and Transparent Aerogel Composed of Ni-Al Layered Double Hydroxide Nanoparticles through Crystallization from Amorphous Hydrogel. Langmuir, 2020, 36, 9436-9442.	1.6	7
6	Controlling the alignment of 1D nanochannel arrays in oriented metal-organic framework films for host-guest materials design. Chemical Science, 2020, 11, 8005-8012.	3.7	31
7	Thermo-responsive wettability via surface roughness change on polymer-coated titanate nanorod brushes toward fast and multi-directional droplet transport. RSC Advances, 2020, 10, 28032-28036.	1.7	14
8	Electrochromic Thin Films Based on NiAl Layered Double Hydroxide Nanoclusters for Smart Windows and Low-Power Displays. ACS Applied Nano Materials, 2020, 3, 6552-6562.	2.4	9
9	Layered Double Hydroxide Nanosheets on Plasmonic Arrays of Al Nanocylinders for Optical Sensing. ACS Applied Nano Materials, 2020, 3, 5838-5845.	2.4	10
10	Imparting CO ₂ reduction selectivity to ZnGa ₂ O ₄ photocatalysts by crystallization from hetero nano assembly of amorphous-like metal hydroxides. RSC Advances, 2020, 10, 8066-8073.	1.7	15
11	Preparation of Silicophosphate Alternating Hybrid Copolymers via Nonaqueous Acid-Base Reactions of Phosphoric Acid and Organo-Bridged Bis(chlorosilane). Molecules, 2020, 25, 127.	1.7	1
12	Microparticles with hetero-nanointerfaces: controlled assembly of cobalt hydroxide and nickel hydroxide nanoclusters towards improved electrochemical functions. Journal of Materials Chemistry A, 2019, 7, 25290-25296.	5.2	11
13	Innentitelbild: MOF@MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks (Angew. Chem. 21/2019). Angewandte Chemie, 2019, 131, 6856-6856.	1.6	1
14	MOF@MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks. Angewandte Chemie, 2019, 131, 6960-6964.	1.6	37
15	MOF@MOF: Oriented Growth of Multiple Layered Thin Films of Metal-Organic Frameworks. Angewandte Chemie - International Edition, 2019, 58, 6886-6890.	7.2	145
16	Anisotropic and Reversible Deformation of Mesopores and Mesostructures in Silica-Based Films under Mechanical Stimuli toward Adaptive Optical Components. ACS Applied Nano Materials, 2019, 2, 2377-2382.	2.4	6
17	Mesoporous microspheres of nickel-based layered hydroxides by aerosol-assisted self-assembly using crystalline nano-building blocks. Journal of Sol-Gel Science and Technology, 2019, 89, 216-224.	1.1	10
18	Highly Ordered Mesoporous Hydroxide Thin Films through Self-Assembly of Size-Tailored Nanobuilding Blocks: A Theoretical-Experimental Approach. Chemistry of Materials, 2019, 31, 322-330.	3.2	23

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19	A nanoLDH catalyst with high CO ₂ adsorption capability for photo-catalytic reduction. Journal of Materials Chemistry A, 2018, 6, 9684-9690.	5.2	43
20	3D hierarchical and porous layered double hydroxide structures: an overview of synthesis methods and applications. Journal of Materials Science, 2017, 52, 11229-11250.	1.7	57
21	Electrochemical sensing and catalysis using Cu ₃ (BTC) ₂ coating electrodes from Cu(OH) ₂ films. CrystEngComm, 2017, 19, 4194-4200.	1.3	25
22	Centimetre-scale micropore alignment in oriented polycrystalline metal-organic framework films via heteroepitaxial growth. Nature Materials, 2017, 16, 342-348.	13.3	298
23	Synthesis of Co-Al layered double hydroxide nanoclusters as reduction nanocatalyst in aqueous media. Journal of Asian Ceramic Societies, 2017, 5, 466-471.	1.0	17
24	Design of Carbon Dots Photoluminescence through Organo-Functional Silane Grafting for Solid-State Emitting Devices. Scientific Reports, 2017, 7, 5469.	1.6	68
25	Aqueous synthesis of metal hydroxides with controllable nano/macro architectures. Journal of the Ceramic Society of Japan, 2017, 125, 597-602.	0.5	8
26	Thermoresponsive Wrinkles on Hydrogels for Soft Actuators. Advanced Materials Interfaces, 2016, 3, 1500802.	1.9	33
27	Layered Double Hydroxide Nanoclusters: Aqueous, Concentrated, Stable, and Catalytically Active Colloids toward Green Chemistry. ACS Nano, 2016, 10, 5550-5559.	7.3	89
28	High-Density Protein Loading on Hierarchically Porous Layered Double Hydroxide Composites with a Rational Mesostructure. Langmuir, 2016, 32, 8826-8833.	1.6	18
29	Single-Nanometer-Sized Low-Valence Metal Hydroxide Crystals: Synthesis via Epoxide-Mediated Alkalinization and Assembly toward Functional Mesoporous Materials. Chemistry of Materials, 2016, 28, 5606-5610.	3.2	40
30	Graphene oxide incorporation in lamellar organosiloxane film for improved water vapor barrier property. Journal of Sol-Gel Science and Technology, 2016, 79, 405-409.	1.1	6
31	Superhydrophobic adhesive surface on titanate nanotube brushes through surface modification by capric acid. Journal of Sol-Gel Science and Technology, 2016, 79, 389-394.	1.1	3
32	Morphology control of BiFeO ₃ aggregates via hydrothermal synthesis. Journal of Applied Crystallography, 2016, 49, 168-174.	1.9	16
33	Macroporous Titanate Nanotube/TiO ₂ Monolith for Fast and Large-Capacity Cation Exchange. Chemistry of Materials, 2015, 27, 1885-1891.	3.2	16
34	Fabrication of hierarchically porous monolithic layered double hydroxide composites with tunable microcages for effective oxyanion adsorption. RSC Advances, 2015, 5, 57187-57192.	1.7	30
35	Positioning of the HKUST-1 metal-organic framework (Cu ₃ (BTC) ₂) through conversion from insoluble Cu-based precursors. Inorganic Chemistry Frontiers, 2015, 2, 434-441.	3.0	54
36	Fabrication of Hybrid Monodispersed Microspheres with Well-Defined Surface Textures. Hosokawa Powder Technology Foundation ANNUAL REPORT, 2015, 23, 123-128.	0.0	0

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37	Formation mechanism of photo-induced nested wrinkles on siloxane-photomonomer hybrid film. , 2014, , .		1
38	Responsive microstructures on organicâ€“inorganic hybrid films. Journal of Sol-Gel Science and Technology, 2014, 70, 272-277.	1.1	4
39	Micropattern Formation by Molecular Migration via UVâ€“induced Dehydration of Block Copolymers. Advanced Functional Materials, 2014, 24, 2801-2809.	7.8	5
40	Transparent and Robust Siloxane-Based Hybrid Lamella Film As a Water Vapor Barrier Coating. ACS Applied Materials & Interfaces, 2014, 6, 19355-19359.	4.0	23
41	Switchable and reversible water adhesion on superhydrophobic titanate nanostructures fabricated on soft substrates: photopatternable wettability and thermomodulatable adhesivity. Journal of Materials Chemistry A, 2014, 2, 58-61.	5.2	41
42	Mesostructured carbon film with morphology-induced hydrophilic surface through a dewetting-free coating process. Carbon, 2014, 77, 1104-1110.	5.4	5
43	Layered double hydroxide composite monoliths with three-dimensional hierarchical channels: structural control and adsorption behavior. RSC Advances, 2014, 4, 16075-16080.	1.7	19
44	Copper Conversion into Cu(OH) ₂ Nanotubes for Positioning Cu ₃ (BTC) ₂ MOF Crystals: Controlling the Growth on Flat Plates, 3D Architectures, and as Patterns. Advanced Functional Materials, 2014, 24, 1969-1977.	7.8	150
45	Controlled site modification of inorganic networks in hybrid photocurable resins for high thermal crack resistance. Journal of Sol-Gel Science and Technology, 2013, 65, 318-323.	1.1	1
46	Molecularly imprinted La-doped mesoporous titania films with hydrolytic properties toward organophosphate pesticides. New Journal of Chemistry, 2013, 37, 2995.	1.4	25
47	Highly oriented growth of titanate nanotubes (TNTs) in micro and confinement spaces on solâ€“gel derived amorphous TiO ₂ thin films under moderate hydrothermal condition. Journal of Sol-Gel Science and Technology, 2013, 65, 36-40.	1.1	11
48	Combining Top-Down and Bottom-Up Routes for Fabrication of Mesoporous Titania Films Containing Ceria Nanoparticles for Free Radical Scavenging. ACS Applied Materials & Interfaces, 2013, 5, 3168-3175.	4.0	22
49	Layered double hydroxide (LDH)-based monolith with interconnected hierarchical channels: enhanced sorption affinity for anionic species. Journal of Materials Chemistry A, 2013, 1, 7702.	5.2	58
50	Strain-driven self-rolling of hybrid organicâ€“inorganic microrolls: interfaces with self-assembled particles. NPG Asia Materials, 2012, 4, e22-e22.	3.8	17
51	Hierarchical Nested Wrinkles on Silicaâ”Polymer Hybrid Films: Stimuli-Responsive Micro Periodic Surface Architectures. Scientific Reports, 2012, 2, 683.	1.6	27
52	Titanate nanofunnel brushes: toward functional interfacial applications. Chemical Communications, 2012, 48, 6130.	2.2	20
53	Coffee stain-driven self-assembly of mesoporous rings. Microporous and Mesoporous Materials, 2012, 163, 356-362.	2.2	11
54	Enhanced hole injection in organic light-emitting diodes by optimized synthesis of self-assembled monolayer. Organic Electronics, 2011, 12, 1600-1605.	1.4	8

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55	Synthesis of hierarchical macro/mesoporous dicalcium phosphate monolith via epoxide-mediated sol-gel reaction from ionic precursors. <i>Journal of Sol-Gel Science and Technology</i> , 2011, 57, 269-278.	1.1	48
56	Fusion of Phosphole and 1,10-bisacene: Phosphorus(V)-Containing Extended π-Systems with High Electron Affinity and Electron Mobility. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8016-8020.	7.2	115
57	In situ SAXS observation on metal-salt-derived alumina sol-gel system accompanied by phase separation. <i>Journal of Colloid and Interface Science</i> , 2010, 352, 303-308.	5.0	23
58	Synthesis of high-silica and low-silica zeolite monoliths with trimodal pores. <i>Microporous and Mesoporous Materials</i> , 2010, 132, 538-542.	2.2	22
59	Structural characterization of hierarchically porous alumina aerogel and xerogel monoliths. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 506-513.	5.0	87
60	Effect of La addition on thermal microstructural evolution of macroporous alumina monolith prepared from ionic precursors. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 351-355.	0.5	19
61	Cr ³⁺ -doped macroporous Al ₂ O ₃ monoliths prepared by the metal-salt-derived sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 659-664.	1.5	34
62	Phase Separation in Al ₂ O ₃ Sol-gel System Incorporated with High Molecular Weight Poly(ethylene oxide). <i>Materials Research Society Symposia Proceedings</i> , 2007, 1007, 1.	0.1	1
63	Sol-gel Synthesis of Macroporous YAG from Ionic Precursors via Phase Separation Route. <i>Journal of the Ceramic Society of Japan</i> , 2007, 115, 925-928.	0.5	45
64	Synthesis of Monolithic Al ₂ O ₃ with Well-Defined Macropores and Mesostructured Skeletons via the Sol-gel Process Accompanied by Phase Separation. <i>Chemistry of Materials</i> , 2007, 19, 3393-3398.	3.2	198
65	Curable Layered Double Hydroxide Nanoparticles-Based Perfusion Contrast Agents for X-Ray Computed Tomography Imaging of Vascular Structures. <i>Advanced NanoBiomed Research</i> , 0, , 2100123.	1.7	1
66	Colloidal dispersion of chiral layered hydroxide salt (LHS) nanocrystals exhibiting chiroptical response. <i>Journal of Sol-Gel Science and Technology</i> , 0, , 1.	1.1	0